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Ophthalmic Literature

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Ophthalmic Literature

VOL. IV. MAY, 1914. NO. 5.

Edited by EDWARD JACKSON. Assisted by WILLIAM H. CRISP.

PRIVATE TEACHERS OF OPHTHALMOLOGY.

When Dr. James L. Thompson became the office assistant of Dr. Elkanah Williams in 1869 he entered upon the study of ophthalmology under educational conditions that must still be considered in many respects most desirable. The ideal of a university "Mark Hopkins on one end of a log, the student on the other," was even improved on. For with the private patient for whom there was every incentive to do their best, and the office fittings and instruments of Dr. Williams' office, there were all the clinical material and equipment that the best educational organization could utilize.

In its ultimate analysis the best educational organization has always been the individual teacher meeting directly the inquiries and needs of the individual student. The only reason that any other plan has found favor is because this plan made excessive drains upon the teacher's time. It was more economical and cheaper to teach students in large classes.

For things that can be taught as well, or almost as well, in large classes, there will be no return to individual teaching. But some things never can be taught so well to classes. Much clinical material will never be available for the instruction of more than the single assistant, and if clinical teaching can be given as a by-product of private practice it may there be carried on as cheaply as in the largest and most thoroughly organized medical school. And clinical study of cases forms the most important means to be utilized in preparation for ophthalmic practice.

The single student in continuous immediate contact with his instructor furnishes the ideal educational relation, because the student can have the question promptly answered when it arises in his mind, or can at once be put upon the line of thought and study which will enable him to answer it for himself. This is of great advantage, too, in connection with his reading.

Reading must always be an extremely valuable method of professional study. To the reader lie open vast educational opportunities attainable in no other way. The services of the greatest teachers of other countries and other times are thus available. Reading under a private tutor has always been recognized as reading under most favorable circumstances. Reading fits in well with the round of duties and the clinical opportunities of the assistantship in private practice. Time can be found for a useful amount of it without danger of overloading before time can be taken for mental digestion. The obscure or indefinite statement of the writer can be at once supplemented or corrected by appeal to the immediate living authority.

There is laboratory work that can best be done in completely equipped laboratories. There are optical experiments that can be demonstrated to large classes, or worked out only with the aid of expensive and rarely used instruments. For these the laboratories, museums and lecture rooms of the established university are needed. The large clinics where cases may be shown in groups and the rarer conditions are encountered will always have an especial interest and value for the student of ophthalmology. But the greater part of preparation for ophthalmic practice can be made equally well, and in some respects even better, as an assistant to some competent teacher in active practice. By the latter means the preparation may be made with a deliberate thoroughness often impossible in the larger institutions for post-graduate instruction, to which students resort from long distances, and for necessarily definite and limited periods.

Of course for individual teaching, as in the institutional plan, the teacher is the essential element. How can the fitness, the training, thoroughness and enthusiasm of the individual private teacher be assured? The authorities of a progressive university or post-graduate clinical school will naturally seek to bring to their institution the best teaching talent available. Who will take the same interest in seeing that the private teacher is efficient and keeps abreast of his times?

The answer to this question is not difficult. It is time for the universities of America to recognize private teachers as they are recognized in Continental Europe. In many countries the "privat docent" is an important part of the educational organization. By his actual or possible competition the university teacher is kept up to his work. Then in English-speaking countries we have in the special professional organization bodies that can readily establish tribunals of the highest character, to pass upon the qualifications of individual teachers; and by their recognition of the work done stimulate them to their greatest efficiency. Let us give this matter a little careful thought and be ready at an early day to take action that will help to improve current methods of training for ophthalmic practice.

BOOK NOTICES.

The American Encyclopedia of Ophthalmology, Vol. III. Edited by **Casey A. Wood** of Chicago, assisted by a large staff of collaborators.; pp. 1507 to 2305. Fully illustrated. Chicago: Cleveland Press. 1914. Price, $6.00 per volume.

This volume of 800 pages carries the work from "Cataract, intracapsular extraction of," to "Cocain carbolate." In every way the standard of the earlier volumes is sustained, and the greatness of the undertaking grows upon the reader. The subject of "Cataract" occupies the leading place, and there is no book in the language in which it is so fully treated, with information brought up to date. Sixty-five pages had been given to cataract in the preceding volume; here are 270 pages more, with ten colored plates, including thirty-four figures and hundreds of other illustrations.

The section on Intracapsular Cataract is from the pen of the late Dr. D. W. Greene, whose demonstrations and accounts of it had quite as much to do with drawing attention to the operation as had the writings of Major Smith. Other modern suggestions regarding cataract extraction are not overlooked. Van Lint's method with conjunc-

tival flap, Hulen's suction apparatus, the various forms of corneal and conjunctival suture, Tschermak's and Donders' subconjunctival methods of extraction, the Homer Smith suggestion, etc., are all adequately described. The enormous variety of details that have been proposed, in the form of knives, corneal incisions, iridectomies, capsulotomies, to say nothing of the different forms of forceps, scissors. etc., will surprise even those who have given a good deal of study to cataract operations.

The cavernous sinus, with its diseases and their ocular relations, are adequately treated by Langworthy. The cavities about the orbit in their ocular or ophthalmic relations are considered in a section of 110 pages. The choroid and its diseases are given fifty-eight pages, although some of the more important choroidal lesions must be discussed under other headings. The twenty-five pages given to the circulation of the intraocular fluids contains a digest of a very large amount of work that has been published chiefly in German periodicals, but has been heretofore widely scattered and quite inaccessible to the English-reading student.

The article on the Chiasmal Image, by C. F. Prentice, sets forth in mathematical terms a series of interesting speculations new to the literature. Among the historical sketches furnished by Dr. Shastid, those on Cheselden and Celsus may be especially noted. The latter contains a full translation of his treatise on the disorders of the eye and their cure by manual operations.

Greeff, R., Berlin, with coöperation of **Prof. Stock,** Freiburg, and **Prof. Wintersteiner,** Vienna. **A Guide to the Microscopic Examination of the Eye,** translated from the third German edition by Hugh Walker of Glasgow. Large 8vo, 102 pages. Illustrated. London: The Ophthalmoscope Press. New York: Paul B. Hoeber.

No other portion of the body presents so great a variety of highly specialized tissues within the same space as does the eyeball with its immediately related parts, that constitute the special object of investigation by the ophthalmologist; and few other organs present the same exacting requirements for successful histologic study. As the author points out many points important in the microscopic study of the eye are not touched upon in handbooks of practical microscopy. One cannot go far in such special studies without feeling the need for such a special guide. The aim of the work "to show that a satisfactory examination of an eye can be made without elaborate instruments" should enlist the interest of every thorough student of cases of eye disease. We can heartily echo the sentiment: "It is much better to learn a few methods thoroughly, and then to study the tissues themselves, rather than waste time over non-essential details."

If this work has failed to quite attain its aim, it is in the direction of giving too much rather than too little. But one could hardly expect a microscopist and teacher of Prof. Greeff's thoroughness and experience to confine himself absolutely to the requirements of the busy man in ophthalmic practice. It may be said, however, that the work is absolutely devoid of padding. Everything included is of interest, and the processes not commonly used may be very valuable to refer to. One may never use Heidenhain's Iron-hematoxylin Method, yet reading of it may need to know what it is and the purpose it serves.

Beard, C. H. Chicago. **Ophthalmic Surgery.** Second Edition. 8vo. 750 pages, 9 plates, showing 100 instruments, and 374 other illustrations. Philadelphia: P. Blakiston's Son & Co. Price, $5.00.

All important general treatises of this character go through a process of development. Hence the experienced reviewer opens a second edition alert to observe not only if the work is keeping pace with the general progress in its field, but also its own peculiar development. Beard's "Ophthalmic Surgery" shows wide reading, sifted by

practical experience and critical judgment. It is in many ways an improvement over the first edition, beside being brought up to date. The increase of 33 per cent in the text and 27 per cent in illustrations has been judiciously made.

Two new chapters are devoted to the Newer Operations for Glaucoma (thirty-seven pages) and Operations for Detachment of the Retina (ten pages). In the former not the least interesting part is Dr. Beard's "Remarks." He thinks that by the operations looking to prolapse and incarceration of the iris, "the condition it brings about is a treacherous one." "Trephining" he thinks "a truly valuable acquisition to ophthalmic surgery." But he sees its dangers and limitations.

Ophthalmic operators will be especially interested in Beard's description of his own method of performing anterior sclerotomy, with complete section of the scleral flap under a broad bridge of conjunctiva, and with avoidance of iris prolapse.

If there is a point in which the work is not abreast of the latest teaching and practice it is in dismissing in a sentence the use of adhesive plaster to retain eye dressings. We look for very different treatment of this subject in the future editions that will doubtless be called for.

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